

# Tender Heart High School, Class-V (Geography)

## Assignment-4

Gurpreet Kaur

24.04.23

## Topic - Chapter-9 "Weather and Climate"

Good Morning Students,

Today we are going to set our focus on the topic - "Weather and Climate" Chapter-9 starting on page number - 54 of your text-book titled "Time Trek-5"

All the students may kindly open page no- 54 of your text books and be ready with your geography notebooks for writing the questions which will be asked during the short breaks. So, Dear students kindly pay attention as I am going to explain the topic.

### What is Weather ?

Weather can be defined as the condition of the atmosphere at a given place and time.

This condition can change daily or within a short period of time. The weather can be sunny, cold, dry, hot, stormy, warm and wet as you can see in the given picture.

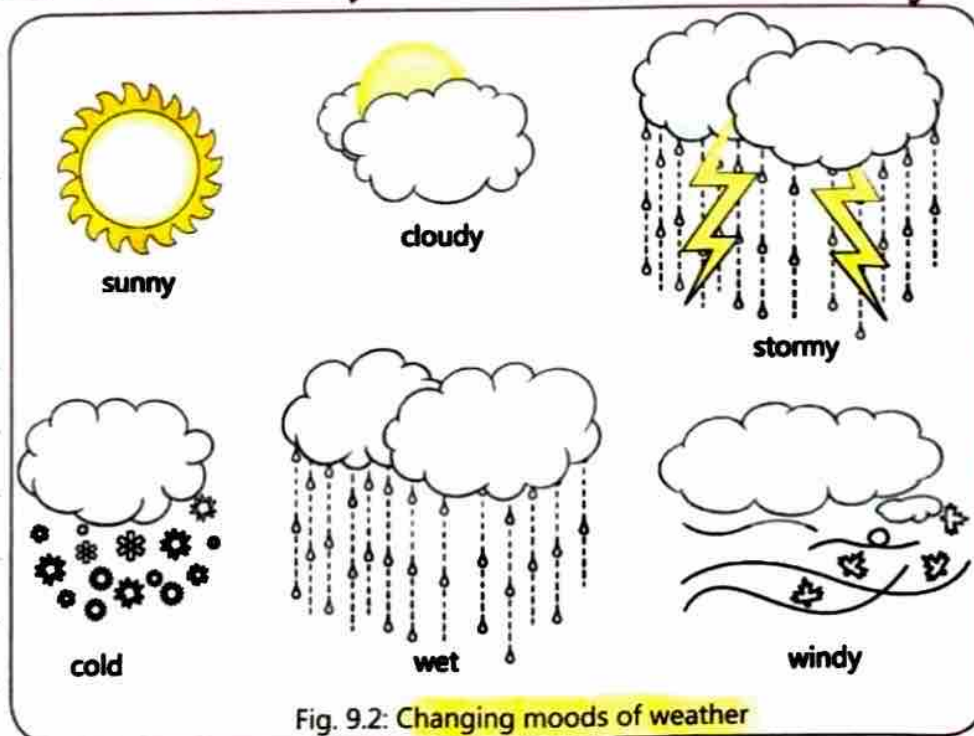


Fig. 9.2: Changing moods of weather



Seasons :- A year is usually divided into four seasons based on the different weather patterns - Summer, Autumn, Winter and Spring. In India, we also have the monsoon season, which is characterized by heavy rainfall. We associate clouds with rainfall.

Clouds :- Clouds are made up of tiny water droplets that fall down on the Earth's surface from the atmosphere in the form of rain after condensation. On a sunny day, a cloud can cover the sun and bring down the temperature of a place. Cloudy days are always cooler.

Our clothes, food habits and general activities vary according to seasons. In summer, we wear light cotton clothes, while we wear woolen clothes in winter.

Let us discuss about -

Climate :- Climate is the average weather condition of a place or region measured over a long period of time. The climate of a region includes patterns of precipitation, means rain, snow or hail that falls on the ground, temperature, humidity, sunshine, wind velocity and other weather activities.



Unlike weather, the climate changes very slowly over thousands of years. Let us see some of the differences between weather and climate.

Weather	Climate
1. Weather is the study of the atmospheric conditions for a <b>short duration</b> of time for a <b>limited area</b> .	1. Climate is the study of the average weather conditions observed over a <b>long period</b> of time for a <b>large area</b> .
2. Weather is influenced by <b>any one</b> of its elements like temperature, humidity, rainfall, etc.	2. Climate is the <b>collective effect</b> of all its elements.
3. Weather <b>changes very often</b> .	3. Climate is more or less <b>permanent</b> .
4. Weather is experienced over <b>small areas</b> of a country.	4. Climate is experienced over <b>large area</b> of the continent.
5. A place can experience <b>different types</b> of weather conditions in a year.	5. A place can experience only <b>one type</b> of climate.

So, now students as we have read a small part of this chapter, so we will recount the topic by means of a short test. You need to look at the weather symbols and identify the weather conditions in the given picture.



Look at the weather symbols and identify the weather conditions:-

hot

windy

cold

cloudy

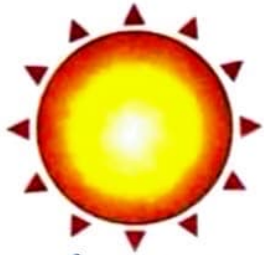
snowy

sunny

stormy

rainy

warm



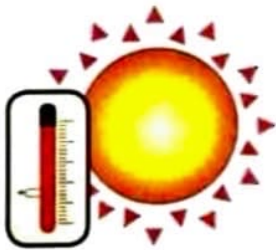
1. Sunny



2. rainy



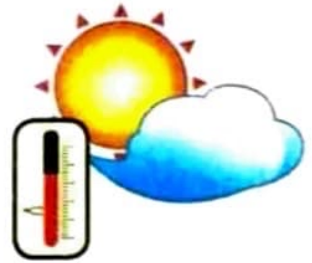
3. cloudy



4. hot



5. cold



6. warm



7. windy



8. snowy



9. stormy

With this, I conclude the interactive session.

Thank you.